

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Earthman, et al.  
App. No. : 10/671,002  
Filed : September 25, 2003  
For : EVALUATION OF REFLECTED TIME-  
ENERGY PROFILE FOR  
DETERMINATION OF DAMPING  
CAPACITY  
Examiner : Unknown  
Group Art Unit : 3736

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing seventeen (17) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 12 mar 04

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
NECORFA.005AAPPLICATION NO.  
10/671,002INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(SEE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Earthman, et al.FILING DATE  
September 25, 2003GROUP  
3736

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	3,722,100	03/27/73	Weisman, et al.			
	2	4,341,519	07/27/82	Kuhn, et al.			
	3	4,482,324	11/13/84	Wohlgemuth			
	4	4,499,906	02/19/85	Wohlgemuth, et al.			
	5	4,689,011	08/25/87	Wohlgemuth			
	6	4,764,114	08/16/88	Jeffcoat, et al.			
	7	5,144,753	09/08/92	Murphy			
	8	5,318,442	06/07/94	Jeffcoat, et al.			
	9	5,518,008	05/21/96	Cucchiaro, et al.			
	10	6,120,466	09/19/00	Earthman			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL		
	11	Marc E. Levenston & Dennis R. Carter, "An Energy Dissipation-Based Model for Damage Stimulated Bone Adaptation", <i>Journal of Biomechanics</i> , Volume 31 (1998), pp. 579-586.
	12	W. Schulte, B. d'Hoedt, D. Lukas, M. Maunz and M. Steppeler "Periotest for Measuring Periodontal Characteristics-Correlation with Periodontal Bone Loss", <i>Journal of Periodontal Research</i> , 1992, Volume 27, pp. 184-190.
	13	A. Barzin, C.G. Sheets and J.C. Earthman "Mechanical Biocompatibility of Dental Implant Materials", Proceedings of the Fourth Pacific Rim International Conference on materials, Japanese Institute of Metals, pp. 2492-2952 (2002)
	14	Ichiro Owan, David B. Burr, Charles H. Turner, Jinya Qiu, Yuan Tu, Jude E. Onyia, and Randall L. Duncan "Mechanotransduction in Bone: Osteoblasts are More Responsive to Fluid Forces than Mechanical Strain", <i>The American Physiological Society</i> (Sept. 1997), Volume 273, pp. C810-C815.
	15	Cherilyn G. Sheets, DDS. and James C. Earthman, Ph.D., "Natural Tooth Intrusion and Reversal in Implant-Assisted Prosthesis: Evidence of and a Hypothesis for the Occurrence", <i>The Journal of Prosthetic Dentistry</i> , December 1993, Volume 70, Number 6, pp. 513-520.
	16	D. Lukas, "Periotest: Dynamically Diagnosing the Human Periodontium and the Dental Implant-Bone Interface", <a href="http://www.periotest.de/beschreibung.htm">http://www.periotest.de/beschreibung.htm</a> , website dated 4 July 2002.
	17	Cherilyn G. Sheets, DDS. and James C. Earthman, Ph.D., "Tooth Intrusion in Implant-Assisted Prostheses", <i>The Journal of Prosthetic Dentistry</i> , January 1997, Volume 77, Number 1, pp. 39-45.

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EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	